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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,142	05/17/2005	Go Mizutani	441P094	5678
42754	7590	06/22/2006	EXAMINER	
NIELDS & LEMACK 176 EAST MAIN STREET, SUITE 7 WESTBORO, MA 01581			BERNSHTEYN, MICHAEL	
			ART UNIT	PAPER NUMBER
			1713	

DATE MAILED: 06/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/535,142

Applicant(s)

MIZUTANI ET AL.

Examiner

Michael Bernshteyn

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05/01/2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,6,7 and 9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3,6,7 and 9 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

1. This Office Action follows a response filed on May 1, 2006. Applicants have amended claims 1, 6 and 7, claims 4, 5 and 8 have been cancelled, claim 9 has been added.
2. Due to amendment, the rejection of claims 1-4 under 35 U.S.C. 102(b) as being anticipated by Ishii et al. (JP 08-194968) and the objection of claims 5-7 under 37 CFR 1.75(c) as being in improper form have been withdrawn.
3. Claims 1-3, 6, 7 and 9 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

4. Claims 1-3, 6-7 and 9 are rejected under 35 U.S.C. 102(a) as being clearly anticipated by Tokuda et al. (JP 2002-092961).

Tokuda discloses the ultraviolet curing type adhesive for sticking the optical disc features that the pH of the extract obtained by water extraction of the hardened adhesive after the optical disk substrate is stuck and is subjected to ultraviolet curing is 4.0-8.0 (abstract).

With regard to the limitations of claims 1-3, Tokuda discloses that the curing type adhesive composition contains the following components:

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- the **epoxy (meth)acrylate**, for example bisphenol A epoxy (meth)acrylate. The amount of the epoxy (meth)acrylate is desirable 1-50% by weight (page 4, [0015]);
- mono and polyfunctional acrylate monomers, such as tricyclodecane (meth)acrylate, dicyclopentadieneneoxyethyl (meth) acrylate, dicyclopentanyl (meth) acrylate, **dicyclopentanyl di (meth) acrylate**, **hydroxypivalic acid neopentyl glycol di (meth) acrylate**, etc.; monofunctional (meth) acrylate containing a hydroxyl group, such as **2-hydroxyethyl (meth) acrylate**, **2-hydroxypropyl (meth) acrylate** etc. The amount of mono and polyfunctional acrylate monomers is desirable 5-90% by weight and especially desirable 10-70% by weight. Two or more (meth) acrylates can be mixed together depending on the class of radiation used (pages 3-4, [0012]);
- a photopolymerization initiators, such as **2,2-dimethoxy-1,2-diphenylethan-1-one**, 1-hydroxycyclohexyl phenyl ketone, 2-hydroxy-2methyl-1-phenylpropane-1-one, etc. The photopolymerization initiator may be used alone or in a mixture of two or more. The amount of the initiators is desirable 0.5-20% by weight (page 4, [0013]);
- (meth) acrylate phosphate compounds, such as **ethylene oxide modified phenoxide (meth)acrylate phosphate**, **ethylene oxide modified butoxide (meth)acrylate phosphate**, etc. The amount of (meth) acrylate phosphate monomers is desirable 0.005-5% by weight

and especially desirable 0.05-3% by weight. Two or more (meth)acrylate phosphates can be mixed together depending on the class of radiation used (pages 4, [0014]).

With regard to the limitations of claim 6, Tokuda discloses that UV-curable resin composition has an electrical resistivity in the range 380-520 mPa.S/25°C, which is within the claimed range (Example 1-6, page 5, [0022]).

With regard to the limitations of claims 7 and 9, Tokuda discloses that UV-curable resin composition used like adhesive, which can impart high durability and hardened material thereof in a sticking type optical disk having a semitransparent reflecting film in which the semitransparent reflecting film of one disk substrate comprises a **silver compound** or an **alloy** thereof when two sheets of the disk substrates are stuck together by the adhesive for optical disk (abstract).

Therefore, all the limitations of the instant claims 1-3, 6, 7 and 9 are expressly met by Tokuda.

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Bernshteyn whose telephone number is 571-272-2411. The examiner can normally be reached on M-F 8-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Bernshteyn
Patent Examiner
Art Unit 1713

MB
06/19/2006


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